

## AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1           1. (Previously presented) A computer-implemented method for unconscious  
2 data retrieval, comprising:

3                   extracting at least one query key from a primary document;

4                   responsive to a connection with at least one data source being available,

5                   pre-fetching at least one query result by:

6                   querying the at least one data source with the at least one query

7                   key; and

8                   receiving at least one query result from at least one data source;

9                   evaluating the received at least one query result; and

10                  displaying at least one received query result;

11                 wherein extracting, querying, receiving, and evaluating are performed asyn-

12                   chronously with respect to user interaction with the primary document;

13                 and wherein displaying the at least one received query result is performed

14                   without regard to whether a connection with a data source is available.

1           2. (Original) The method of claim 1, further comprising, prior to extracting:

2                   receiving the primary document;

3 and wherein extracting, querying, receiving, and evaluating are performed in  
4 response to receiving the primary document.

1 3. (Previously presented) The method of claim 1, further comprising, prior to  
2 displaying at least one received query result:  
3 accessing the primary document;

4 and wherein displaying at least one received query result is performed in re-  
5 sponse to accessing the primary document.

1 4. (Previously presented) The method of claim 1, further comprising, prior to  
2 displaying at least one received query result:  
3 displaying the primary document;

4 and wherein displaying at least one received query result is performed in re-  
5 sponse to displaying the primary document.

1 5. (Original) The method of claim 1, wherein the primary document com-  
2 prises an electronic communication.

1 6. (Original) The method of claim 5, wherein the primary document com-  
2 prises an e-mail message.

1 7. (Original) The method of claim 5, further comprising, prior to extracting:  
2 receiving the electronic communication;

3 and wherein extracting, querying, receiving, and evaluating are performed in  
4 response to receiving the electronic communication.

1 8. (Original) The method of claim 7, wherein receiving the electronic com-  
2 munication comprises receiving the electronic communication at an e-mail server.

1 9. (Original) The method of claim 7, wherein receiving the electronic com-  
2 munication comprises receiving the electronic communication at a user's computer.

1 10. (Original) The method of claim 7, wherein receiving the electronic com-  
2 munication comprises retrieving the electronic communication from an e-mail server  
3 to a user's computer.

1 11. (Canceled)

1 12. (Original) The method of claim 1, further comprising:

2 storing the evaluated at least one query result;

3 and wherein displaying at least one received query result comprises:

4 retrieving the stored at least one query result; and

5 displaying the retrieved at least one query result.

1 13. (Previously presented) A computer-implemented method for uncon-  
2 scious data retrieval, comprising:

3 extracting at least one query key from a primary document;

4 querying at least one data source with the at least one query key;  
5 receiving at least one query result from at least one data source;  
6 evaluating the received at least one query result;  
7 storing the evaluated at least one query result; and  
8 subsequently performing the steps of:  
9 receiving a query request from a user;  
10 displaying a preview of at least one query result item responsive  
11 to the received query request;  
12 receiving a selection of one of the previewed items;  
13 retrieving the selected item; and  
14 displaying a representation of the selected item;  
15 wherein extracting, querying, receiving, and evaluating are performed  
16 without user interaction.

1 14. (Original) The method of claim 13, wherein retrieving the selected item  
2 comprises retrieving the item from a cache.

1 15. (Original) The method of claim 13, wherein retrieving the selected item  
2 comprises retrieving a text version of the item from a cache.

1 16. (Original) The method of claim 13, wherein retrieving the selected item  
2 comprises asynchronously retrieving the selected item.

1 17. (Original) The method of claim 16, further comprising:

notifying the user upon completion of the asynchronous retrieval of the  
selected item.

18. (Amended) The method of claim 1, wherein querying at least one data  
source comprises ~~A computer implemented method for unconscious data retrieval,~~  
~~comprising:~~  
~~extracting at least one query key from a primary document;~~  
~~transmitting a query over a network to at least one data source with the~~  
~~at least one query key;~~  
~~receiving at least one query result from at least one data source;~~  
~~evaluating the received at least one query result; and~~  
~~displaying at least one received query result;~~  
~~wherein extracting, querying, receiving, and evaluating are performed with-~~  
~~out user interaction.~~

19. (Amended) The method of claim 18, wherein querying at least one data  
source ~~transmitting the query~~ comprises transmitting an e-mail message containing a  
the query to the at least one data source.

20. (Amended) The method of claim 19, wherein ~~transmitting the e-mail mes-~~  
~~sage to the~~ querying at least one data source comprises transmitting the e-mail mes-  
sage across a firewall an e-mail message containing a query to the at least one data  
source.

1        21. (Amended) The method of claim 19, wherein ~~transmitting the e-mail mes-~~  
2 ~~sage to the~~ querying at least one data source comprises transmitting an XML-  
3 encoded e-mail message containing a query to the at least one data source.

1        22. (Amended) The method of claim 18, wherein receiving at least one query  
2 result from at least one data source comprises receiving an e-mail message contain-  
3 ing at least one query result from at least one data source.

1        23. (Amended) The method of claim 18, wherein receiving at least one query  
2 result from at least one data source, comprises receiving an XML-encoded e-mail  
3 message containing at least one query result from at least one data source.

1        24. (Previously presented) The method of claim 1, wherein the at least one  
2 data source comprises ~~A computer-implemented method for unconscious data re-~~  
3 ~~trieval, comprising:~~

4                ~~extracting at least one query key from a primary document;~~

5                ~~querying at least one information appliance with the at least one query~~  
6                                ~~key;~~

7                ~~receiving at least one query result from at least one information appli-~~  
8                                ~~ance;~~

9                ~~evaluating the received at least one query result; and~~

10               ~~displaying at least one received query result;~~

11                   ~~wherein extracting, querying, receiving, and evaluating are performed~~  
12                   ~~without user interaction.~~

1           25. (Original) The method of claim 24, wherein at least one of the information  
2 appliances comprises one selected from the group consisting of:

3                   a visitor kiosk;  
4                   a meeting recorder;  
5                   a presentation recorder;  
6                   a whiteboard capture device;  
7                   a communication device; and  
8                   a document management device.

1           26. (Original) The method of claim 1, wherein evaluating the received at least  
2 one query result comprises estimating the relevance of the query result with respect  
3 to the electronic communication.

1           27. (Original) The method of claim 1, wherein evaluating the received at least  
2 one query result comprises determining whether the query result has previously  
3 been displayed.

1           28. (Original) The method of claim 1, wherein evaluating the received at least  
2 one query result comprises determining whether the query result is sufficiently rele-  
3 vant with respect to a predetermined relevancy threshold;

4 and wherein displaying at least one received query result comprises  
5 displaying a query result responsive to the determination indi-  
6 cating that the query result is sufficiently relevant.

1 29. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises determining displaying at least one received query result in a  
3 sequence prioritized according to estimated relevance.

1 30. (Previously presented) A computer-implemented method for uncon-  
2 scious data retrieval, comprising:

3 extracting at least one query key from a primary document;  
4 querying at least one data source with the at least one query key;  
5 receiving at least one query result from at least one data source;  
6 evaluating the received at least one query result;  
7 displaying at least one received query result;  
8 determining whether an additional query should be performed; and  
9 responsive to a determination that an additional query should be per-

10 formed:

11 formulating an additional query containing at least one secondary

12 query key;

13 querying at least one data source with the at least one secondary

14 query key;



15 receiving at least one secondary query result from at least one data  
16 source; and  
17 displaying at least one received secondary query result;  
18 wherein extracting, querying, receiving, and evaluating are performed  
19 without user interaction.

1 31. (Original) The method of claim 30, wherein formulating an additional  
2 query comprises formulating an additional query comprising at least one query key  
3 from the primary document and at least one secondary query key.

1 32. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises displaying the query result in the context of a currently active  
3 software application.

1 33. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises displaying the query result in a sidebar pane adjacent to a  
3 currently active on-screen window.

1 34. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises displaying the query result in an on-screen window concur-  
3 rently with display of a currently active on-screen window.

1 35. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises displaying the query result in an on-screen dialog box.

1           36. (Original) The method of claim 1, wherein at least a portion of the dis-  
2     played query result comprises a hyperlink to a resource containing data related to  
3     the displayed query result.

1           37. (Original) The method of claim 1, wherein the at least one received query  
2     result comprises a plurality of query results, the method further comprising:  
3                 prioritizing the query results according to estimated relevance;  
4                 and wherein displaying at least one received query result comprises  
5                 displaying a plurality of query results in order of priority.

1           38. (Original) The method of claim 37, wherein prioritizing the query results  
2     is performed responsive to the context of the query results.

1           39. (Original) The method of claim 37, wherein prioritizing the query results  
2     is performed responsive to the context of the query key in the primary document.

1           40. (Original) The method of claim 1, wherein at least one of the data sources  
2     comprises a network-connected computer containing shared information.

1           41. (Original) The method of claim 1, wherein at least one of the data sources  
2     comprises a shared directory.

1           42. (Original) The method of claim 1, wherein at least one of the data sources  
2     is intermittently connected via a network.

1           43. (Original) The method of claim 1, wherein the primary document is one  
2 selected from the group consisting of:

3                   an electronic communication;

4                   a word processing document;

5                   a spreadsheet document;

6                   a task item;

7                   a calendar item;

8                   a file;

9                   an image;

10                  a sound recording;

11                  a video recording; and

12                  a contact record.

1           44. (Original) The method of claim 1, wherein querying at least one data  
2 source comprises:

3                   formulating a structured query based on the extracted at least one

4                               query key; and

5                   transmitting the structured query to the at least one data source.

1           45. (Original) The method of claim 1, wherein extracting at least one query  
2 key comprises applying a part-of-speech analysis to the primary document.

1           46. (Original) The method of claim 1, further comprising:

2 selecting at least one data source based on the extracted at least one  
3 query key;  
4 and wherein querying at least one data source comprises querying the  
5 selected at least one data source.

1 47. (Original) The method of claim 1, wherein evaluating the received at least  
2 one query result comprises applying a Bayesian belief net to determine estimated  
3 relevance of the at least one query result.

1 48. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises displaying the result on a device that is intermittently con-  
3 nected via a network.

1 49. (Original) The method of claim 48, wherein the device comprises a port-  
2 able computing device.

1 50. (Original) The method of claim 1, wherein the primary document com-  
2 prises a text document.

1 51. (Original) The method of claim 1, wherein the primary document com-  
2 prises a non-text document.

1 52. (Original) The method of claim 1, wherein querying at least one data  
2 source comprises transmitting a text query.

1           53. (Original) The method of claim 1, wherein querying at least one data  
2 source comprises transmitting a non-text query.

1           54. (Amended) The method of claim 1, wherein A computer implemented  
2 method for unconscious data retrieval, comprising:

3                   extracting at least one query key from a primary document;

4                   querying at least one data source with the at least one query key;

5                   receiving at least one query result from at least one data source;

6                   evaluating the received at least one query result; and

7                   displaying at least one received query result comprises displaying the

8                           query result in a calendar display;

9                   ~~wherein extracting, querying, receiving, and evaluating are performed with-~~

10                   ~~out user interaction.~~

1           55. (Previously presented) A computer-implemented method for uncon-  
2 scious data retrieval, comprising:

3                   extracting at least one query key from a primary document;

4                   querying at least one data source with the at least one query key;

5                   receiving at least one query result from at least one data source;

6                   evaluating the received at least one query result; and

7                   displaying at least one received query result in a user-activated toolbar

8                           menu;

9 wherein extracting, querying, receiving, and evaluating are performed with-  
10 out user interaction.

1 56. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises:

3 designating at least a portion of the primary document as a hyperlink;

4 and

5 responsive to user activation of the hyperlink, displaying a query re-  
6 sult.

1 57. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises:

3 displaying an on-screen button; and

4 responsive to user activation of the button, displaying a query result.

1 58. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises:

3 displaying a toolbar menu activation button; and

4 responsive to user activation of the button, displaying a query result.

1 59. (Original) The method of claim 1, wherein displaying at least one received  
2 query result comprises:

3 displaying a menu comprising at least one command; and

responsive to user selection of one of the at least one command, displaying a query result.

60. (Original) The method of claim 1, wherein displaying at least one received query result comprises:

displaying a menu activation icon;  
responsive to user activation of the menu activation icon, displaying a menu comprising at least one command; and  
responsive to user selection of one of the at least one command, displaying a query result.

61. (Previously presented) A computer-implemented method for unconscious data retrieval, comprising:

extracting at least one query key from a primary document;  
querying at least one data source with the at least one query key;  
receiving at least one query result from at least one data source;  
evaluating the received at least one query result; and  
recognizing user-entered text as having a format corresponding to a predefined data type;  
displaying a menu comprising at least one command applicable to the data type; and  
responsive to user selection of one of the at least one command, displaying at least one query result;

13 wherein extracting, querying, receiving, and evaluating are performed with-  
14 out user interaction.

1 62. (Previously presented) A computer-implemented system for unconscious  
2 data retrieval, comprising:

3 a receiver, for receiving a primary document;

4 a requester, coupled to the receiver, for, responsive to a connection with

5 at least one data source being available, pre-fetching at least one

6 query result by generating and transmitting to at least one data

7 source at least one query related to the primary document;

8 an evaluator, for receiving at least one query result from the at least one

9 data source and for evaluating the received at least one query re-

10 sult; and

11 a display, coupled to the evaluator, for displaying the at least one re-

12 ceived query result without regard to whether a connection with

13 a data source is available;

14 wherein the receiver, the requester, and the evaluator operate asyn-

15 chronously with respect to user interaction with the primary

16 document.

1 63. (Original) The system of claim 62, wherein the primary document com-  
2 prises an electronic communication.



1           64. (Original) The system of claim 63, wherein the primary document com-  
2       prises an e-mail message.

1           65. (Original) The system of claim 64, wherein the receiver comprises an e-  
2       mail server.

1           66. (Original) The system of claim 64, wherein the receiver comprises an e-  
2       mail program running on a user's computer.

1           67. (Canceled)

1           68. (Original) The system of claim 62, further comprising:  
2               a storage device, coupled to the evaluator, for storing the evaluated at  
3               least one query result;  
4               and wherein the display displays at least one received query result retrieved  
5       from the storage device.

1           69. (Previously presented) A computer-implemented system for unconscious  
2       data retrieval, comprising:  
3               a receiver, for receiving a primary document;  
4               a requester, coupled to the receiver, for generating and transmitting to  
5               at least one data source at least one query related to the primary  
6       document;

7 an evaluator, for receiving at least one query result from the at least one  
8 data source and for evaluating the received at least one query re-  
9 sult;  
10 a storage device, coupled to the evaluator, for storing the evaluated at  
11 least one query result;  
12 an input device for receiving a query request from a user;  
13 a display, coupled to the evaluator, for displaying a query preview in-  
14 terface showing at least one query result item responsive to the  
15 received query request, and for, responsive to a selection of one  
16 of the previewed items, displaying a representation of the se-  
17 lected item;  
18 wherein the receiver, the requester, and the evaluator operate without user in-  
19 teraction.

1 70. (Original) The system of claim 69, wherein:

2 the storage device comprises a cache; and  
3 the at least one query result item is retrieved from the cache.

1 71. (Original) The system of claim 69, wherein:

2 the storage device comprises a text cache; and  
3 the representation of the at least one query result item is retrieved from  
4 the text cache.

1 72. (Original) The system of claim 69, wherein:

2 the requester generates and transmits to at least one data source a re-  
3 quest for the selected item; and  
4 the receiver receives the selected item asynchronously.

1 73. (Original) The system of claim 72, further comprising:

2 a notifier, coupled to the receiver, for notifying the user upon comple-  
3 tion of the asynchronous retrieval of the selected item.

1 74. (Amended) The system of claim 62, wherein the requester transmits the  
2 query ~~A computer-implemented system for unconscious data retrieval, comprising:~~  
3 ~~a receiver, for receiving a primary document;~~  
4 ~~a requester, coupled to the receiver, for generating and transmitting~~  
5 ~~over a network to at least one data source at least one query re-~~  
6 ~~lated to the primary document;~~  
7 ~~an evaluator, for receiving at least one query result from the at least one~~  
8 ~~data source and for evaluating the received at least one query re-~~  
9 ~~sult; and~~  
10 ~~a display, coupled to the evaluator, for displaying the at least one re-~~  
11 ~~ceived query result;~~  
12 ~~wherein the receiver, the requester, and the evaluator operate without~~  
13 ~~user interaction.~~

1 75. (Previously presented) The system of claim 74, wherein the requester  
2 transmits an e-mail message containing the query to the at least one data source.

1           76. (Previously presented) The system of claim 74, wherein the requester  
2 transmits across a firewall an e-mail message containing the query to the at least one  
3 data source.

1           77. (Previously presented) The system of claim 74, wherein the evaluator re-  
2 ceives an e-mail message containing at least one query result from at least one data  
3 source.

1           78. (Previously presented) A computer-implemented system for unconscious  
2 data retrieval, comprising:

3                   a receiver, for receiving a primary document;

4                   a requester, coupled to the receiver, for generating and transmitting to  
5                   at least one information appliance at least one query related to  
6                   the primary document;

7                   an evaluator, for receiving at least one query result from the at least one  
8                   information appliance and for evaluating the received at least  
9                   one query result; and

10                  a display, coupled to the evaluator, for displaying the at least one re-  
11                  ceived query result;

12                  wherein the receiver, the requester, and the evaluator operate without user in-  
13                  teraction.

1           79. (Original) The system of claim 78, wherein at least one of the information  
2 appliances comprises one selected from the group consisting of:

3           a visitor kiosk;

4           a meeting recorder;

5           a presentation recorder;

6           a whiteboard capture device;

7           a communication device; and

8           a document management device.

1           80. (Original) The system of claim 62, wherein the evaluator estimates the  
2 relevance of the query result with respect to the primary document.

1           81. (Original) The system of claim 62, wherein the evaluator determines  
2 whether the query result is sufficiently relevant with respect to a predetermined  
3 relevancy threshold;

4           and wherein the display displays a query result responsive to the determina-  
5 tion indicating that the query result is sufficiently relevant.

1           82. (Original) The system of claim 62, wherein the display displays at least  
2 one received query result in a sequence prioritized according to estimated relevance.

1           83. (Original) The system of claim 62, wherein the display displays the query  
2 result in the context of a currently active software application.

1        84. (Original) The system of claim 62, wherein the display comprises a side-  
2 bar pane adjacent to a currently active on-screen window.

1        85. (Original) The system of claim 62, wherein the display comprises an on-  
2 screen window shown concurrently with a currently active on-screen window.

1        86. (Original) The system of claim 62, wherein the display comprises an on-  
2 screen dialog box.

1        87. (Original) The system of claim 62, wherein at least a portion of the dis-  
2 played query result comprises a hyperlink to a resource containing data related to  
3 the displayed query result.

1        88. (Original) The system of claim 62, wherein at least one of the data sources  
2 comprises a network-connected computer containing shared information.

1        89. (Original) The system of claim 62, wherein at least one of the data sources  
2 comprises a shared directory.

1        90. (Original) The system of claim 62, wherein at least one of the data sources  
2 is intermittently connected via a network.

1        91. (Original) The system of claim 62, wherein the primary document is one  
2 selected from the group consisting of:  
3                an electronic communication;

4 a word processing document;  
5 a spreadsheet document;  
6 a task item;  
7 a calendar item;  
8 a file;  
9 an image;  
10 a sound recording;  
11 a video recording; and  
12 a contact record.

1 92. (Original) The system of claim 62, wherein the requester comprises:  
2 a query formulator, for formulating a structured query based on the ex-  
3 tracted at least one query key; and  
4 a transmitter, coupled to the query formulator, for transmitting the  
5 structured query to the at least one data source.

1 93. (Original) The system of claim 62, wherein the evaluator applies a Bayes-  
2 ian belief net to determine estimated relevance of the at least one query result.

1 94. (Original) The system of claim 62, wherein the display comprises a port-  
2 able computing device.

1 95. (Original) The system of claim 62, wherein the primary document com-  
2 prises a text document.

1           96. (Original) The system of claim 62, wherein the primary document com-  
2       prises a non-text document.

1           97. (Original) The system of claim 62, wherein the display comprises a calen-  
2       dar display.

1           98. (Original) The system of claim 62, wherein the display comprises a user-  
2       activated toolbar menu.

1           99. (Previously presented) A computer program product comprising a com-  
2       puter-usable medium having computer-readable code embodied therein for uncon-  
3       scious data retrieval, comprising:

4               computer-readable program code configured to cause a computer to ex-

5               tract at least one query key from a primary document;

6               computer-readable program code configured to cause a computer to,

7               responsive to a connection with at least one data source being

8               available, pre-fetching at least one query result by:

9               querying at least one data source with the at least one query key;

10              and

11              receiving at least one query result from at least one data source;

12              computer-readable program code configured to cause a computer to

13              evaluate the received at least one query result; and



14 computer-readable program code configured to cause a computer to  
15 display at least one received query result;

16 wherein the computer-readable program code configured to cause a  
17 computer to extract, query, receive, and evaluate operate asyn-  
18 chronously with respect to user interaction with the primary  
19 document;

20 and wherein the computer-readable program code configured to cause a com-  
21 puter to display the at least one received query result operates without  
22 regard to whether a connection with a data source is available.

1 100. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to extract, query, re-  
3 ceive, and evaluate operate asynchronously with respect to user interaction with the  
4 primary document.

1 101. (Original) The computer program product of claim 99, further compris-  
2 ing:

3 computer-readable program code configured to cause a computer to  
4 store the evaluated at least one query result;

5 and wherein the computer-readable program code configured to cause a com-  
6 puter to display at least one received query result comprises:

7 computer-readable program code configured to cause a computer to re-  
8 trieve the stored at least one query result; and

9 computer-readable program code configured to cause a computer to  
10 display the retrieved at least one query result.

1 102. (Previously presented) A computer program product comprising a  
2 computer-usable medium having computer-readable code embodied therein for un-  
3 conscious data retrieval, comprising:  
4 computer-readable program code configured to cause a computer to ex-  
5 tract at least one query key from a primary document;  
6 computer-readable program code configured to cause a computer to  
7 query at least one data source with the at least one query key;  
8 computer-readable program code configured to cause a computer to re-  
9 ceive at least one query result from at least one data source;  
10 computer-readable program code configured to cause a computer to  
11 evaluate the received at least one query result;  
12 computer-readable program code configured to cause a computer to  
13 store the evaluated at least one query result;  
14 computer-readable program code configured to cause a computer to re-  
15 ceive a query request from a user;  
16 computer-readable program code configured to cause a computer to  
17 display a preview of at least one query result item responsive to  
18 the received query request;  
19 computer-readable program code configured to cause a computer to re-  
20 ceive a selection of one of the previewed items;

21 computer-readable program code configured to cause a computer to re-  
22 trieve the selected item; and  
23 computer-readable program code configured to cause a computer to  
24 display a representation of the selected item;  
25 wherein the computer-readable program code configured to cause a computer  
26 to extract, query, receive, and evaluate operate without user interaction.

1 103. (Previously presented) A computer program product comprising a  
2 computer-usable medium having computer-readable code embodied therein for un-  
3 conscious data retrieval, comprising:  
4 computer-readable program code configured to cause a computer to ex-  
5 tract at least one query key from a primary document;  
6 computer-readable program code configured to cause a computer to  
7 transmit a query over a network to at least one data source with  
8 the at least one query key;  
9 computer-readable program code configured to cause a computer to re-  
10 ceive at least one query result from at least one data source;  
11 computer-readable program code configured to cause a computer to  
12 evaluate the received at least one query result; and  
13 computer-readable program code configured to cause a computer to  
14 display at least one received query result;

15                    wherein the computer-readable program code configured to cause a  
16                    computer to extract, query, receive, and evaluate operate with-  
17                    out user interaction.

1            104. (Previously presented) The computer program product of claim 103,  
2            wherein the computer-readable program code configured to cause a computer to  
3            transmit the query comprises computer-readable program code configured to cause  
4            a computer to transmit an e-mail message containing the query to the at least one  
5            data source.

1            105. (Previously presented) The computer program product of claim 104,  
2            wherein the computer-readable program code configured to cause a computer to  
3            transmit the e-mail message to the at least one data source comprises computer-  
4            readable program code configured to cause a computer to transmit the e-mail mes-  
5            sage across a firewall.

1            106. (Previously presented) The computer program product of claim 104,  
2            wherein the computer-readable program code configured to cause a computer to  
3            transmit the e-mail message to the at least one data source comprises computer-  
4            readable program code configured to cause a computer to transmit an XML-encoded  
5            e-mail message containing a query to the at least one data source.

1            107. (Previously presented) The computer program product of claim 103,  
2            wherein the computer-readable program code configured to cause a computer to re-

3 ceive at least one query result from at least one data source comprises computer-  
4 readable program code configured to cause a computer to receive an e-mail message  
5 containing at least one query result from at least one data source.

1 108. (Previously presented) A computer program product comprising a com-  
2 puter-usable medium having computer-readable code embodied therein for uncon-  
3 scious data retrieval, comprising:

4 computer-readable program code configured to cause a computer to ex-

5 tract at least one query key from a primary document;

6 computer-readable program code configured to cause a computer to

7 query at least one data at least one information appliance key;

8 computer-readable program code configured to cause a computer to re-

9 ceive at least one query result from at least one information ap-

10 pliance;

11 computer-readable program code configured to cause a computer to

12 evaluate the received at least one query result; and

13 computer-readable program code configured to cause a computer to

14 display at least one received query result;

15 wherein the computer-readable program code configured to cause a

16 computer to extract, query, receive, and evaluate operate with-

17 out user interaction.

1           109. (Original) The computer program product of claim 108, wherein at least  
2 one of the information appliances comprises one selected from the group consisting  
3 of:

- 4           a visitor kiosk;
- 5           a meeting recorder;
- 6           a presentation recorder;
- 7           a whiteboard capture device;
- 8           a communication device; and
- 9           a document management device.

1           110. (Original) The The computer program product of claim 99, wherein the  
2 computer-readable program code configured to cause a computer to evaluate the re-  
3 ceived at least one query result comprises computer-readable program code config-  
4 ured to cause a computer to estimate the relevance of the query result with respect to  
5 the primary document.

1           111. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to evaluate the re-  
3 ceived at least one query result comprises computer-readable program code config-  
4 ured to cause a computer to determine whether the query result is sufficiently rele-  
5 vant with respect to a predetermined relevancy threshold;

6           and wherein the computer-readable program code configured to cause  
7           a computer to display at least one received query result com-

8                   prises computer-readable program code configured to cause a  
9                   computer to display a query result responsive to the determina-  
10                  tion indicating that the query result is sufficiently relevant.

1           112. (Previously presented) A computer program product comprising a  
2 computer-usable medium having computer-readable code embodied therein for un-  
3 conscious data retrieval, comprising:  
4           computer-readable program code configured to cause a computer to ex-  
5           tract at least one query key from a primary document;  
6           computer-readable program code configured to cause a computer to  
7           query at least one data source with the at least one query key;  
8           computer-readable program code configured to cause a computer to re-  
9           ceive at least one query result from at least one data source;  
10          computer-readable program code configured to cause a computer to  
11          evaluate the received at least one query result; and  
12          computer-readable program code configured to cause a computer to  
13          display at least one received query result;  
14          computer-readable program code configured to cause a computer to,  
15          after receiving at least one query result, determine whether an  
16          additional query should be performed; and  
17          computer-readable program code configured to cause a computer to,  
18          responsive to a determination that an additional query should be  
19          performed:

20                    formulate an additional query containing at least one secondary  
21                    query key;  
22                    query at least one data source with the at least one secondary query  
23                    key;  
24                    receive at least one secondary query result from at least one data  
25                    source; and  
26                    display at least one received secondary query result;  
27       wherein the computer-readable program code configured to cause a computer  
28                    to extract, query, receive, and evaluate operate without user interaction.

1            113. (Original) The computer program product of claim 99, wherein the com-  
2            puter-readable program code configured to cause a computer to display at least one  
3            received query result comprises computer-readable program code configured to  
4            cause a computer to display the query result in the context of a currently active soft-  
5            ware application.

1            114. (Original) The computer program product of claim 99, wherein the com-  
2            puter-readable program code configured to cause a computer to display at least one  
3            received query result comprises computer-readable program code configured to  
4            cause a computer to display the query result in a sidebar pane adjacent to a currently  
5            active on-screen window.

1            115. (Original) The computer program product of claim 99, wherein the com-  
2            puter-readable program code configured to cause a computer to display at least one



3 received query result comprises computer-readable program code configured to  
4 cause a computer to display the query result in an on-screen window concurrently  
5 with display of a currently active on-screen window.

1 116. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to display at least one  
3 received query result comprises computer-readable program code configured to  
4 cause a computer to display the query result in an on-screen dialog box.

1 117. (Original) The computer program product of claim 99, wherein at least  
2 one of the data sources comprises a network-connected computer containing shared  
3 information.

1 118. (Original) The computer program product of claim 99, wherein at least  
2 one of the data sources comprises a shared directory.

1 119. (Original) The computer program product of claim 99, wherein the pri-  
2 mary document is one selected from the group consisting of:

3 an electronic communication;  
4 a word processing document;  
5 a spreadsheet document;  
6 a task item;  
7 a calendar item;  
8 a file;

9                   an image;  
10                  a sound recording;  
11                  a video recording; and  
12                  a contact record.

1           120. (Original) The computer program product of claim 99, wherein the com-  
2   puter-readable program code configured to cause a computer to query at least one  
3   data source comprises:

4                   computer-readable program code configured to cause a computer to  
5                               formulate a structured query based on the extracted at least one  
6                               query key; and  
7                   computer-readable program code configured to cause a computer to  
8                               transmit the structured query to the at least one data source.

1           121. (Original) The computer program product of claim 99, wherein the com-  
2   puter-readable program code configured to cause a computer to extract at least one  
3   query key comprises computer-readable program code configured to cause a com-  
4   puter to apply a part-of-speech analysis to the primary document.

1           122. (Original) The computer program product of claim 99, wherein the com-  
2   puter-readable program code configured to cause a computer to evaluate the re-  
3   ceived at least one query result comprises computer-readable program code config-  
4   ured to cause a computer to apply a Bayesian belief net to determine estimated rele-  
5   vance of the at least one query result.

1           123. (Original) The computer program product of claim 99, wherein the com-  
2     puter-readable program code configured to cause a computer to display at least one  
3     received query result comprises computer-readable program code configured to  
4     cause a computer to display the result on a device that is intermittently connected via  
5     a network.

1           124. (Previously presented) A computer program product comprising a  
2     computer-usable medium having computer-readable code embodied therein for un-  
3     conscious data retrieval, comprising:

4                 computer-readable program code configured to cause a computer to ex-

5                         tract at least one query key from a primary document;

6                 computer-readable program code configured to cause a computer to

7                         query at least one data source with the at least one query key;

8                 computer-readable program code configured to cause a computer to re-

9                         ceive at least one query result from at least one data source;

10                computer-readable program code configured to cause a computer to

11                        evaluate the received at least one query result; and

12                computer-readable program code configured to cause a computer to

13                        display at least one received query result in a calendar display;

14                wherein the computer-readable program code configured to cause a

15                        computer to extract, query, receive, and evaluate operate with-

16                        out user interaction.

1           125. (Previously presented) A computer program product comprising a  
2 computer-usable medium having computer-readable code embodied therein for un-  
3 conscious data retrieval, comprising:  
4           computer-readable program code configured to cause a computer to ex-  
5 tract at least one query key from a primary document;  
6           computer-readable program code configured to cause a computer to  
7 query at least one data source with the at least one query key;  
8           computer-readable program code configured to cause a computer to re-  
9 ceive at least one query result from at least one data source;  
10          computer-readable program code configured to cause a computer to  
11 evaluate the received at least one query result; and  
12          computer-readable program code configured to cause a computer to  
13 display at least one received query result in a user-activated  
14 toolbar menu;  
15          wherein the computer-readable program code configured to cause a  
16 computer to extract, query, receive, and evaluate operate with-  
17 out user interaction.

1           126. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to display at least one  
3 received query result comprises:

4 computer-readable program code configured to cause a computer to  
5 designate at least a portion of the primary document as a hyper-  
6 link; and  
7 computer-readable program code configured to cause a computer to,  
8 responsive to user activation of the hyperlink, display a query  
9 result.

1 127. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to display at least one  
3 received query result comprises:

4 computer-readable program code configured to cause a computer to  
5 display an on-screen button; and  
6 computer-readable program code configured to cause a computer to,  
7 responsive to user activation of the button, display a query re-  
8 sult.

1 128. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to display at least one  
3 received query result comprises:

4 computer-readable program code configured to cause a computer to  
5 display a toolbar menu activation button; and

6 computer-readable program code configured to cause a computer to,  
7 responsive to user activation of the button, display a query re-  
8 sult.

1 129. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to display at least one  
3 received query result comprises:

4 computer-readable program code configured to cause a computer to  
5 display a menu comprising at least one command; and  
6 computer-readable program code configured to cause a computer to,  
7 responsive to user selection of one of the at least one command,  
8 display a query result.

1 130. (Original) The computer program product of claim 99, wherein the com-  
2 puter-readable program code configured to cause a computer to display at least one  
3 received query result comprises:

4 computer-readable program code configured to cause a computer to  
5 display a menu activation icon;  
6 computer-readable program code configured to cause a computer to,  
7 responsive to user activation of the menu activation icon, display  
8 a menu comprising at least one command; and

9 computer-readable program code configured to cause a computer to,  
10 responsive to user selection of one of the at least one command,  
11 display a query result.

1 131. (Previously presented) A computer program product comprising a  
2 computer-usable medium having computer-readable code embodied therein for un-  
3 conscious data retrieval, comprising:

4 computer-readable program code configured to cause a computer to ex-  
5 tract at least one query key from a primary document;  
6 computer-readable program code configured to cause a computer to  
7 query at least one data source with the at least one query key;  
8 computer-readable program code configured to cause a computer to re-  
9 ceive at least one query result from at least one data source;  
10 computer-readable program code configured to cause a computer to  
11 evaluate the received at least one query result; and  
12 computer-readable program code configured to cause a computer to  
13 recognize user-entered text as having a format corresponding to  
14 a predefined data type;  
15 computer-readable program code configured to cause a computer to  
16 display a menu comprising at least one command applicable to  
17 the data type; and

18 computer-readable program code configured to cause a computer to,  
19 responsive to user selection of one of the at least one command,  
20 display at least one query result;  
21 wherein the computer-readable program code configured to cause a computer  
22 to extract, query, receive, and evaluate operate without user interaction.